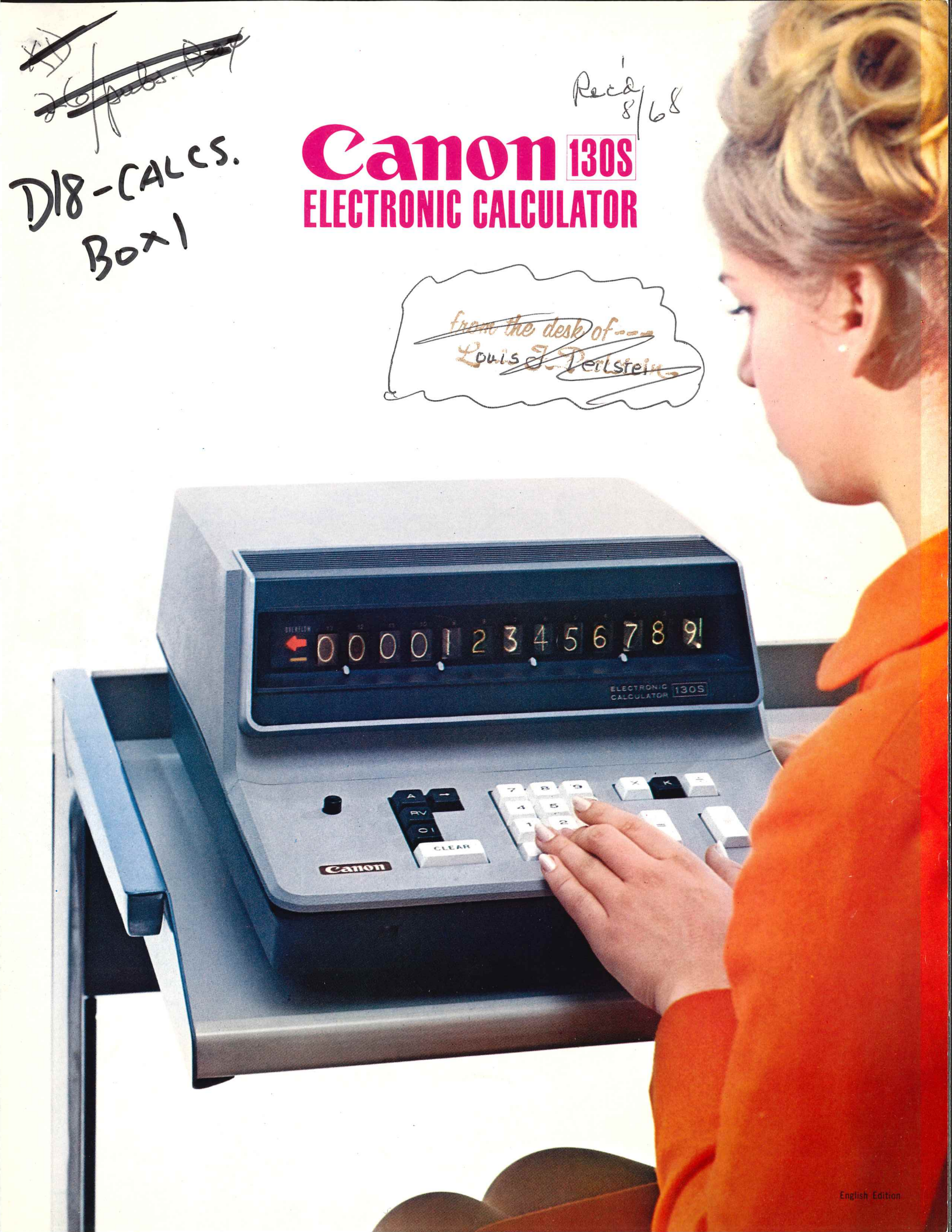
D18-CALCS.
Box 1

Recd 8/68

Canon 130S
ELECTRONIC CALCULATOR

from the desk of...
Louis J. Perlstein



English Edition

Overflow Indicator: This indicator lights up in the following instances: when the sum total of the calculation goes over 13 digits; as soon as two keys are touched simultaneously by mistake, and further operations are stopped; as soon as the indicator panel overflows; or when a 13-digit figure is registered and the [×] or [÷] key is pressed.

Negative Sign: Indicates negative value.

Digital Readout Indicator: Adjustable.

Trouble-Free Performance: Unlike yesterday's rotary calculators, the 130S requires little or no maintenance due mainly to its high quality and transistorized design.

Indicator Panel: 13-digit capacity. Operational digits: addition and subtraction, 13 max.; multiplication (multiplicand+multiplier), 13 max.; division (dividend and divisor), 12 max.; quotient, 8. Large, 5/8" tall easy-to-read, clear luminous numerals and "full-floating" automatic decimal point, no flickering, no eye strain, no errors due to miscopying the results.

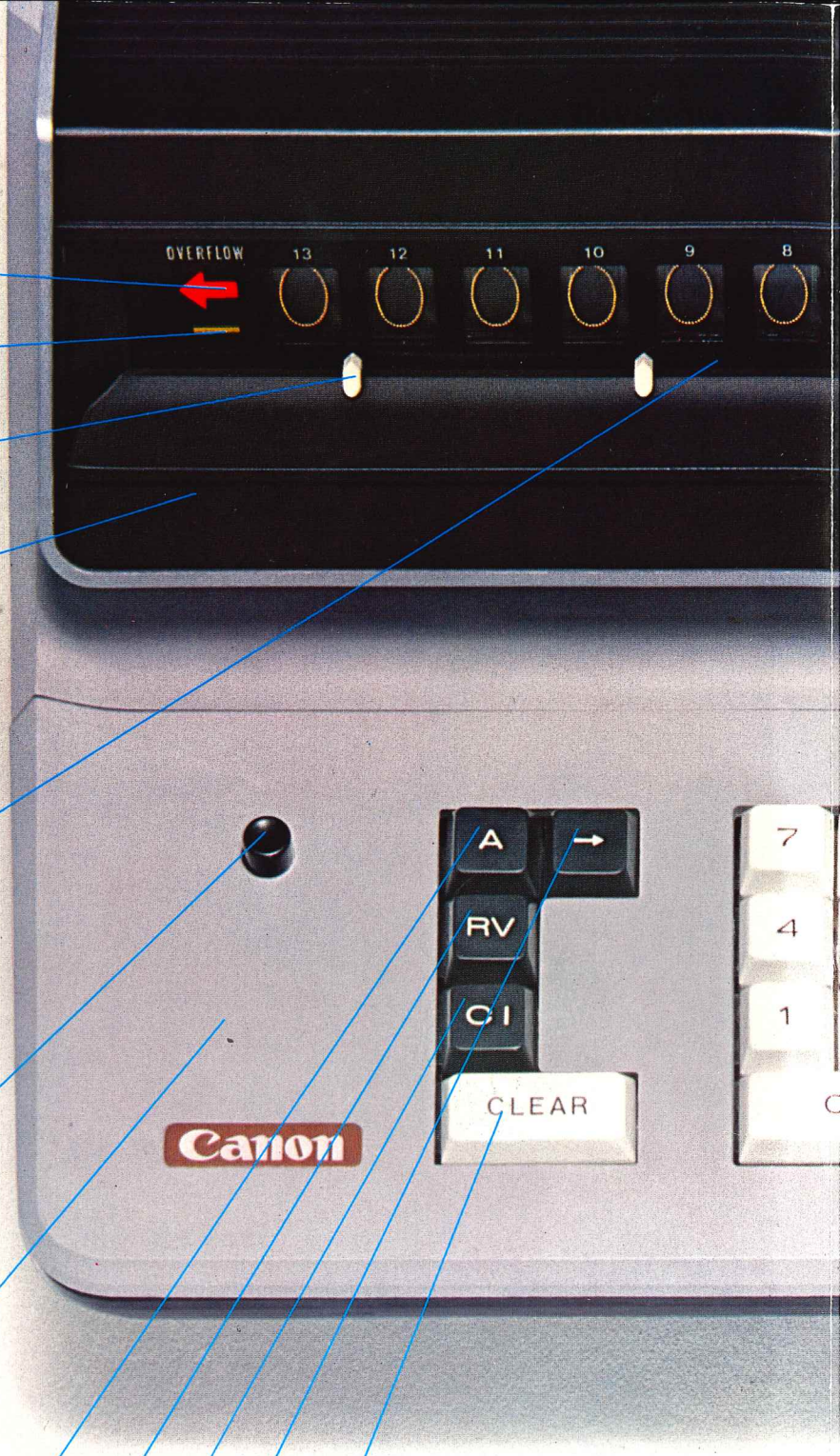
Power Switch: Push-button type. Press once for power ON. Press again for power OFF. Power, AC 115V (+10%–15%), 50/60 cycles.

Compact Desk-Top Machine: Of desk-top size, the Canon's 130S takes up no more space than a standard electric typewriter. The calculator's compact size and absence of motors, gears and other moving parts, are the result of its transistorized design.

Accumulation Key: Used in calculating product sum and difference.

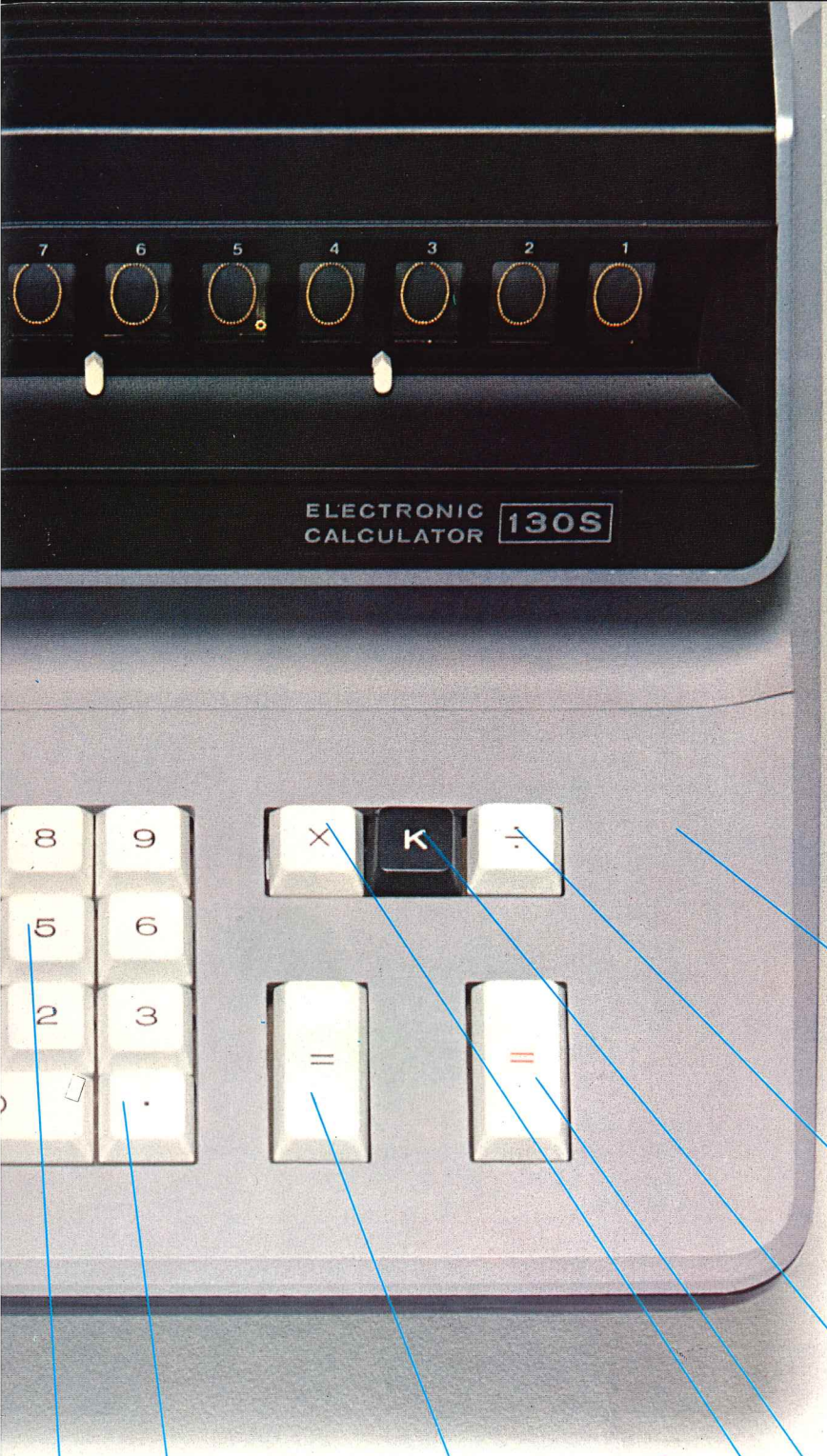
Reverse Key: Used for interchanging the dividend and the divisor in division.

Clear Indicator Key: Used for clearing and making corrections to numerals entered in the indicator.



All Clear Key: Used for clearing the entire calculation. Always press this key before beginning a new calculation, it clears the indicator of all figures and leaves it with a line of 0's.

Shift Key: Used for shifting numerals indicated to the right by one digit in the following instances: to correct a figure registered by mistake; when double entry is made by mistake, press the shift key and move one digit to the right and enter again; and to drop off unnecessary figures so as to make maximum use of the indicator.



■ **Simple Operation :** Any person having a basic knowledge of mathematics can learn to operate the Canon Electronic Calculator 130S. It has been designed for the operator's comfort and convenience and is far easier to handle than a conventional adding machine. The international ten-key system of this electronic calculator is logically arranged to eliminate crossover hand movements.

■ **High Speed :** A light, finger-tip touch on the control keys gives instantaneous results—factors that greatly improve the operator's speed and efficiency. Addition, subtraction, multiplication and division can be performed in fractions of a second (addition and subtraction 0.01 sec., multiplication 0.35 sec., division 0.25 sec.).

■ **Silent Operation :** The 130S's transistors and diodes are noiseless. There are no moving parts to break down or make noise. It is absolutely silent, except for the faint touch-key sound, overcoming any tendency towards headaches or fatigue.

Calculation Range : Addition and subtraction ; multiplication and division ; consecutive multiplication and division ; constant multiplication and division ; summation and difference of products ; mixed calculation ; percentage calculation ; discount calculation.

Division Key : Press after registering the dividend. Fitted with a safety device to prevent numerical nullification when the [÷] key is pressed more than once.

Constant Key : Use when performing constant multiplication and division. Press down the [K] key and seek the result of the first formula. For consecutive formulas, the result may be obtained by just entering the multiplicand or dividend and touching the [=] key.

Negative-Equal Key : Press when seeking the result of subtraction and product difference, also press when the negative value is entered.

Multiplication Key : Press after registering the multiplicand.

Equal Key : Press when seeking the result of addition, multiplication, division and product sum. Used as plus key for addition.

Decimal Point Key : When registering fractions, press the [·] key before pressing the numeric key. The decimal point is "full-floating", providing for maximum capacity in all operations.

Operation System : International ten-key system with uncluttered keyboard, arranged for convenient, error-free operations. The guide key [5] ensures blind operation either by left or right hand. Fastest and lightest touch ever designed.

Canon 130S
ELECTRONIC CALCULATOR

Specifications

Type : Desk-top electronic calculator.
Keyboard : Ten-key system.
Indicator Panel : 13 digits with negative sign.
Operational Digits : Addition and subtraction, 13 max. Multiplication (multiplicand+multiplier), 13 max. Division (dividend and divisor), 12 max. Quotient, 8.
Decimal Point : Automatic decimal point coordination.
Types of Calculation : Addition and subtraction. Multiplication and division. Consecutive multiplication and division. Constant multiplication and division. Summation and difference of products. Inverse division. Discount calculation.
Elements : Transistors and diodes.
Safety Functions : Overflow indicator. Double entry inter-lock.
Power Source : AC 115 V (+10%- −15%). 50/60 cps.
Temperature : 0°C-40°C (32°F-104°F).
Dimensions : 198mm high x 344mm wide x 435mm deep (7¾″ high x 1′1½″ wide x 1′5⅛″ deep).
Weight : 11.5 kg (25 lb 6 oz).

Subject to alterations.

Operational Examples

Addition and Subtraction
153.4+98.26−45.2=206.46
Operation : 153.4 [=] 98.26 [=] 45.2 [=] 206.46

Multiplication Using a Constant Factor
3.14×45=141.3
3.14×36=113.04
3.14×52=163.28
Operation : [K] Lock
3.14 [×] 45 [=] 141.30
36 [=] 113.04
52 [=] 163.28

Division Using a Constant Factor
63.7÷3.14=20.286624
74.2÷3.14=23.630573
46.9÷3.14=14.936305
Operation : [K] Lock
63.7 [÷] 3.14 [=] 20.286624
74.2 [=] 23.630573
46.9 [=] 14.936305

Summation of Products
(2×5)+(5×3)−(4×2)=17
Operation : [A] Lock
2 [×] 5 [=] 5 [×] 3 [=] 4 [×] 2 [=] 17

Percentage Calculation

A	399.00	28.50%
B	484.40	34.60%
C	516.60	36.90%
Total	1400.00	100.00%

Operation : 399 [=] 484.4 [=] 516.6 [=] 1400
[÷] 399 [RV] [K] Lock [=] 0.2850
484.4 [=] 0.346
516.6 [=] 0.369

Discount Calculation
(To obtain gross-amount, discount-amount, and net-amount)

30 pieces at $6.00	=$180.00
25% discount	=$ 45.00
Net amount	=$135.00

Operation : 30 [×] 6 [=] 180
[×] .25 [=] 45
[=] 135

Fractional Expression
$\frac{2}{3}\times\frac{4}{5}\times\frac{7}{8}=0.4666...$
Operation : 2 [×] 4 [=] [×] 7 [=] 56
[÷] 3 [=] [÷] 5 [=] [÷] 8 [=] 0.4666666

$\frac{(25.4\times12.8)-(20.35\times9.7)}{15\times2.5}=3.406$
Operation : [A] Lock
25.4 [×] 12.8 [=] 20.35 [×] 9.7 [=] 127.725
[÷] 15 [=] [÷] 2.5 [=] 3.406

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